

98096

Tuesday, March 05, 2013 1:54:51 PM

N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Start Date: 3/5/2013 **Start Qty:** 10.00

10

Customer:

Required Date: 3/19/2013 **Req'd Qty:** 10.00

10

Reference:

Approvals:

Process Plan:

Date: 13-03-5

Tooling:

Date:

Run Start *NR1*

OC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

[illegible]

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

| | | | | | | | | | | | | |
|---|------|------|---|--|-------------------|---|-------------|--------------|--|--|---|--|
| Work Order: _____ Part No. _____ NCR No. _____ | | | | DISPOSITION <div style="display: flex; justify-content: space-around;"> <div> Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/> </div> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div> | | AGAINST DEPARTMENT/PROCESS | | | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector | | | |
| Doc/Data <input type="checkbox"/> | | | | | | | | | | | | |
| Equip/Tooling <input type="checkbox"/> | | | | | | | | | | | | |
| Operator <input type="checkbox"/> | | | | | | | | | | | | |
| Material <input type="checkbox"/> | | | | | | | | | | | | |
| Setup <input type="checkbox"/> | | | | | | | | | | | | |
| Other <input type="checkbox"/> | | | | | | | | | | | | |
| Process <input type="checkbox"/> | | | | | | | | | | | | |
| Supplier <input type="checkbox"/> | | | | | | | | | | | | |
| Training <input type="checkbox"/> | | | | | | | | | | | | |
| Unapproved <input type="checkbox"/> | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | |
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio | | | <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge | | <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other | |

Work Order ID 98096

98096

Page 2

Tuesday, March 05, 2013 1:54:51 PM

Item ID: D3833-1 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Mesh (Base End Face)
 Start Date: 3/5/2013 Start Qty: 10.00 *10* Cust Item ID:
 Required Date: 3/19/2013 Req'd Qty: 10.00 *10* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--|--|----------------------|-------------------|----------|--------------|---------------|---------------|------------------|----------------|
| 120 *120* QC Quality Control | QC8- Inspect parts - second check Memo | 0.00 0.00 | DAS 16 2-28 | B1/03/18 | | | | | |
| 130 *130* Packaging Packaging | Identify as per dwg & Stock Location: _____ Memo <i>Badlet cell</i> | 0.00 0.00 | | | 10x | | | 13-03-18 | |
| 140 *140* QC Quality Control | QC21- Final Inspection - Work Order Release Memo | 0.00 0.00 | | | | | | 13/3/28 | |

13-03-28

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

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| Equip/Tooling | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | |
| Material | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Process | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | |
| Training | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | |
| Landing Gear | | | General | | | | | | | | | |
| <input type="checkbox"/> | Bending | <input type="checkbox"/> | Bend | <input type="checkbox"/> | Grain | <input type="checkbox"/> | Ovalized | <input type="checkbox"/> | Pressure/Forced | | | |
| <input type="checkbox"/> | Centre Not Concentric to O/S | <input type="checkbox"/> | BOM/Route | <input type="checkbox"/> | Hardware | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> | Temperature/Cure | | | |
| <input type="checkbox"/> | Cracks | <input type="checkbox"/> | Broken/Damaged | <input type="checkbox"/> | Inspection Incomplete | <input type="checkbox"/> | Part Incorrect | <input type="checkbox"/> | Weld | | | |
| <input type="checkbox"/> | Crushed/Crimped | <input type="checkbox"/> | Burrs | <input type="checkbox"/> | Instructions Incomplete/Unclear | <input type="checkbox"/> | Part Lost/Missing | <input type="checkbox"/> | Wrong Stock Pulled | | | |
| <input type="checkbox"/> | Cuffs | <input type="checkbox"/> | Contamination | <input type="checkbox"/> | Maintenance | <input type="checkbox"/> | Part Moved | <input type="checkbox"/> | Other | | | |
| <input type="checkbox"/> | Heat Treat | <input type="checkbox"/> | Countersink | <input type="checkbox"/> | Mislabeled | <input type="checkbox"/> | Positioned Wrong | | | | | |
| <input type="checkbox"/> | Inspection Strip in Tube | <input type="checkbox"/> | Cut Too Short | <input type="checkbox"/> | Misread | <input type="checkbox"/> | Power Loss/Surge | | | | | |
| <input type="checkbox"/> | Ripples in Bend | <input type="checkbox"/> | Drill Holes | <input type="checkbox"/> | Offset | | | | | | | |
| <input type="checkbox"/> | Torque Waves in Extrusion | <input type="checkbox"/> | Drawing | <input type="checkbox"/> | Out of Calibration | | | | | | | |
| <input type="checkbox"/> | Turning Sequence | <input type="checkbox"/> | Finish | <input type="checkbox"/> | Out of Sequence | | | | | | | |
| <input type="checkbox"/> | Wave/Twist in Tube | <input type="checkbox"/> | Folio | <input type="checkbox"/> | Outside Dimensions | | | | | | | |

Picklist Print

Tuesday, March 05, 2013 1:54:55 PM

Page 1

Work Order ID: 98096

98096

Parent Item: D3833-1

D3833-1

Parent Item Name: Mesh (Base End Face)

Start Date: 3/5/2013

Required Date: 3/19/2013

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP Rev:A 08-12-01 new issue DD verified by:EC
12.07.27 AS PER DWG REV.B DD VERF:EC

IPP REV:B

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|---------------------|---------------|----------------|-----------|
| M304EX0.75-16F | | Purchased | | | | 100 | sf | 582.5651 | 2.1601 | 22.72789 | | | |
| *M304FX0 75-16F* | | | | | | | | | | ** | 22 | | Jm12-3-16 |
| Expanded Metal Flat SS | | | | | | | | | | | | | |
| | | | | | <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> | | | | | | |
| | | | | | WA | 320.0000637 | | | | | | | |
| | | | | | 124070 | 0.00006372 | | | | | | | |
| | | | | | 124466 | 320 | | | | | | | |
| | | | | | WA007 | 262.565 | | | | | | | |
| | | | | | 122534 | 160 | | | | | | | |
| | | | | | 123448 | 48.96 | | | | | | | |
| | | | | | 124347 | 53.605 | | | | | | | |
| | | | | | 124840 | | | 124840 | | | | | |

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

| | | | | | | | | | | | | |
|--|------------------------------|--------------------------|----------------|---|---------------------------------|--------------------------|----------------------|--------------------------|--------------------------------|--|--|--|
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| Equip/Tooling | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | |
| Material | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Process | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | |
| Training | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | |
| Landing Gear | | | General | | | | | | | | | |
| <input type="checkbox"/> | Bending | <input type="checkbox"/> | Bend | <input type="checkbox"/> | Grain | <input type="checkbox"/> | Ovalized | <input type="checkbox"/> | Pressure/Forced | | | |
| <input type="checkbox"/> | Centre Not Concentric to O/S | <input type="checkbox"/> | BOM/Route | <input type="checkbox"/> | Hardware | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> | Temperature/Cure | | | |
| <input type="checkbox"/> | Cracks | <input type="checkbox"/> | Broken/Damaged | <input type="checkbox"/> | Inspection Incomplete | <input type="checkbox"/> | Part Incorrect | <input type="checkbox"/> | Weld | | | |
| <input type="checkbox"/> | Crushed/Crimped | <input type="checkbox"/> | Burrs | <input type="checkbox"/> | Instructions Incomplete/Unclear | <input type="checkbox"/> | Part Lost/Missing | <input type="checkbox"/> | Wrong Stock Pulled | | | |
| <input type="checkbox"/> | Cuffs | <input type="checkbox"/> | Contamination | <input type="checkbox"/> | Maintenance | <input type="checkbox"/> | Part Moved | <input type="checkbox"/> | <input type="checkbox"/> Other | | | |
| <input type="checkbox"/> | Heat Treat | <input type="checkbox"/> | Countersink | <input type="checkbox"/> | Mislabeled | <input type="checkbox"/> | Positioned Wrong | | | | | |
| <input type="checkbox"/> | Inspection Strip in Tube | <input type="checkbox"/> | Cut Too Short | <input type="checkbox"/> | Misread | <input type="checkbox"/> | Power Loss/Surge | | | | | |
| <input type="checkbox"/> | Ripples in Bend | <input type="checkbox"/> | Drill Holes | <input type="checkbox"/> | Offset | | | | | | | |
| <input type="checkbox"/> | Torque Waves in Extrusion | <input type="checkbox"/> | Drawing | <input type="checkbox"/> | Out of Calibration | | | | | | | |
| <input type="checkbox"/> | Turning Sequence | <input type="checkbox"/> | Finish | <input type="checkbox"/> | Out of Sequence | | | | | | | |
| <input type="checkbox"/> | Wave/Twist in Tube | <input type="checkbox"/> | Folio | <input type="checkbox"/> | Outside Dimensions | | | | | | | |

8 7 6 5 4 3 2 1

94000
P/B-035

D3833-3 MESH, LID END

△ D3833-7 MESH, LID END

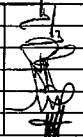
D3833-5 MESH, LID END

D3833-1 MESH, BASE END FACE

RELEASED
2012-07-16
MP

NOTES:

- 1) MATERIAL: AISI 304/316 EXPANDED STAINLESS STEEL MESH, 3/4-16F
REF. DART SPEC. M304EX0.75-16F
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: D3833-1 = 0.30 lbs; D3833-3 = 0.22 lbs; D3833-5 = 0.06 lbs; D3833-7 = 0.30 lbs

| | | | | | |
|------------|---|---|----------|-----------------------------|--------------|
| B | ADD D3833-7. REASON: PAR10-50. | MB | 12.05.30 | | |
| A | NEW ISSUE | MB | 08.09.23 | | |
| REV. | DESCRIPTION | | BY DATE | | |
| DESIGN |  | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | | | |
| DRAWN | | | | | |
| CHECKED | | | | DRAWING NO. D3833 | REV. B |
| MFG. APPR. | | | | | SHEET 1 OF 2 |
| APPROVED | | | | TITLE | SCALE |
| DE APPR. | | | | MESH, BASKET END | NTS |
| DATE | 12.05.30 | COPYRIGHT © 2008 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR TOPIC OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small> | | | |

NCR: Yes / No

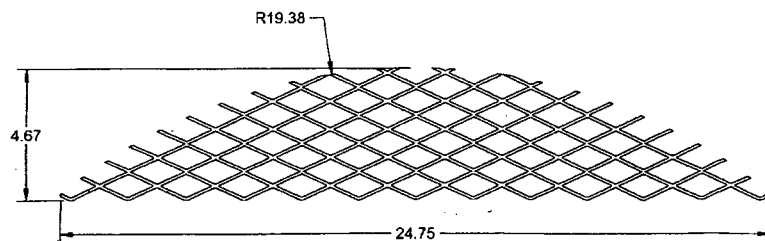
WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

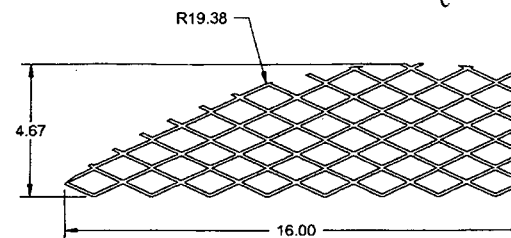
QA Closed: _____ Date: _____

| | | | | | | | | | | | | |
|--|------|------|-----|--|-------------------|-----------------------------------|-------------|--------------|--------------|--|--|--|
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| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector | | | |
| Doc/Data | | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | |
| Material | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Process | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | |
| Training | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | |

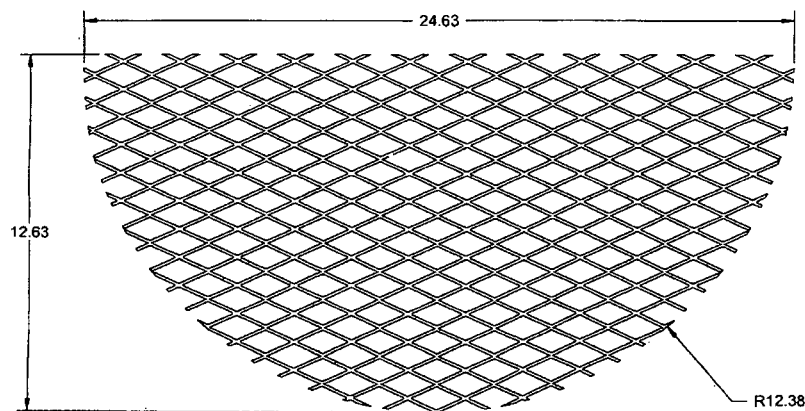
| FAULT CATEGORY | | | | | | | | | | |
|-----------------------------------|---|--|--|--|---|---|--|--|---|---|
| Landing Gear | | | General | | | | | | | |
| <input type="checkbox"/> Bending | <input type="checkbox"/> Centre Not Concentric to O/S | <input type="checkbox"/> Cracks | <input type="checkbox"/> Crushed/Crimped | <input type="checkbox"/> Cuffs | <input type="checkbox"/> Heat Treat | <input type="checkbox"/> Inspection Strip in Tube | <input type="checkbox"/> Ripples in Bend | <input type="checkbox"/> Torque Waves in Extrusion | <input type="checkbox"/> Turning Sequence | <input type="checkbox"/> Wave/Twist in Tube |
| <input type="checkbox"/> Bend | <input type="checkbox"/> BOM/Route | <input type="checkbox"/> Broken/Damaged | <input type="checkbox"/> Burrs | <input type="checkbox"/> Contamination | <input type="checkbox"/> Countersink | <input type="checkbox"/> Cut Too Short | <input type="checkbox"/> Drill Holes | <input type="checkbox"/> Drawing | <input type="checkbox"/> Finish | <input type="checkbox"/> Folio |
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| | | | | | | | <input type="checkbox"/> Other | | | |



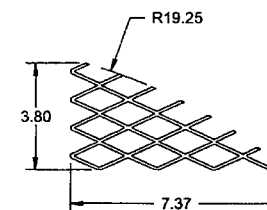
D3833-7 MESH, LID END



D3833-3 MESH, LID END



D3833-1 MESH, BASE END FACE



D3833-5 MESH, LID END

RELEASED
2012-07-16
JMC

| | | | |
|------------|-----------------|---|--------|
| DESIGN | | DART AEROSPACE LTD | |
| DRAWN | | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. D3833 | REV. B |
| MFG. APPR. | | SHEET 2 OF 2 | |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | MESH, BASKET END | NTS |
| DATE | 12.05.30 | <small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISCLOSED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

| | | | | | | | | | | | | |
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| Operator <input type="checkbox"/> | | | | | | | | | | | | |
| Material <input type="checkbox"/> | | | | | | | | | | | | |
| Setup <input type="checkbox"/> | | | | | | | | | | | | |
| Other <input type="checkbox"/> | | | | | | | | | | | | |
| Process <input type="checkbox"/> | | | | | | | | | | | | |
| Supplier <input type="checkbox"/> | | | | | | | | | | | | |
| Training <input type="checkbox"/> | | | | | | | | | | | | |
| Unapproved <input type="checkbox"/> | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | |
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio | | | <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other | | | |

